

Facility Type	Commercial	Commercial	Commercial
Biological Safety Level	2	2	2
Facility Size	S	M	L
Number of Facilities	50	50	25
General Characteristics			
Number of Employees with Access to			
Select Agents	3	14	25
Turnover Rate	10%	0.1	10%
Number of New Employees per Year	1	4	7
Number of Employees with Access to			
Select Agent Areas but not to the Select			
Agents	5	20	40
Number of Entity Owners	0	4	12
Number of Times that Select Agents			•
Are Accessed Per Year			
Toxins	24	200	200
Biological Agents	24	150	260
Number of Buildings in Which Select			
Agents Are Used	1	2	4
Number of Floors on Which Select	•	_	•
Agents Are Used	1	2	4
Number of Rooms Select Agents Used		_	
or Stored	2	3	15
Toxins Used at the Facility	Yes	Yes	Yes
Number of Select Agents	3	10	20
Registration			
Number of Registration Amendments	0.5	4	
Per Year	0.5	1	2
Number of Notifications of Total Stock	0.00		
Destruction Per Year	0.33	0.33	0.33
Safety Characteristics		-	
Biological Safety Level	2	2	2
Number of RO Inspections Per Year	2	2	2
Safety Plan In Place	Yes	Yes	Yes
Inventory Tracking System	No	Yes	Yes
Security Characteristics			
Baseline Security Measures In Place			
Guard at Entrance	No	Yes	Yes
Intrusion Detection System (e.g.,			
alarm)	Yes	Yes	Yes
Card Key System	No	No	Yes
Locks on Select Agent Storage			
Cabinets	No	Yes	Yes
Select Agent Sign-out/Sign-in System	No	Yes	Yes
Risk Based Security Plan In Place	No	No	No
Thisk Dasca Occurry Flair III Flace	TNU	110	INU

Facility Type	Commercial	Commercial	Commercial
Biological Safety Level	2	2	2
Facility Size	S	M	L
Number of Facilities	50	50	25
Non-Risk Based Security Plan In Place	Yes	Yes	Yes
Number of Times Security System is Performance Tested Per Year	2	3	4
Number of Times Visitors are On Site Per Year	6	12	24
Number of Security Personnel	1	2	3
Baseline Background Checks			
Criminal Only	No	Yes	Yes
Government Secret	No	No	No
Number of Existing Staff Requiring Background Checks	6	24	45
Training			
Number of Employees Assigned to Work With Select Agents for the First			
Time Per Year	1	4	7
Transfers and Notification			
Number of Transfers Per Year	1	4	10

			=
Facility Type	Commercial	Commercial	Commercial
Biological Safety Level	2-3	2-3	2-3
Facility Size	S	M	L
Number of Facilities	50	50	25
General Characteristics			T
Number of Employees with Access to	_		
Select Agents	5	15	25
Turnover Rate	0.1	10%	0.1
Number of New Employees per Year	3	5	8
Number of Employees with Access to			
Select Agent Areas but not to the Select			
Agents	20	30	50
Number of Entity Owners	0	4	12
Number of Times that Select Agents			
Are Accessed Per Year			
Toxins	50	200	250
Biological Agents	50	200	260
Number of Buildings in Which Select			
Agents Are Used	1	2	5
Number of Floors on Which Select			
Agents Are Used	1	2	5
Number of Rooms Select Agents Used			
or Stored	2	4	8
Toxins Used at the Facility	Yes	Yes	Yes
Number of Select Agents	3	10	20
Registration			
Number of Registration Amendments			
Per Year	0.5	1	2
Number of Notifications of Total Stock			_
Destruction Per Year	0.33	0.33	0.33
Doctroction For Four	0.00	0.00	0.00
Safety Characteristics			
Biological Safety Level	2-3	2-3	2-3
Number of RO Inspections Per Year	3	3	3
Safety Plan In Place	Yes	Yes	Yes
Inventory Tracking System	Yes	Yes	Yes
myonory macking dystem	1 53	169	1 69
Socurity Characteristics			
Security Characteristics  Baseline Security Measures In Place			
Guard at Entrance	Voc	Voo	Voo
Intrusion Detection System (e.g.,	Yes	Yes	Yes
, ,	Vos	Vaa	Vaa
alarm)	Yes	Yes	Yes
Card Key System	Yes	Yes	Yes
Locks on Select Agent Storage			
Cabinets	Yes	Yes	Yes
Calant Ament Cine aut/Cine in Co. 1	V	\ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Select Agent Sign-out/Sign-in System	Yes	Yes	Yes
Risk Based Security Plan In Place	No	No	No

Facility Type	Commercial	Commercial	Commercial		
, , ,					
Biological Safety Level	2-3	2-3	2-3		
Facility Size	S	M	L		
Number of Facilities	50	50	25		
Non-Risk Based Security Plan In Place	Yes	Yes	Yes		
Number of Times Security System is Performance Tested Per Year	2	3	4		
Number of Times Visitors are On Site	<u>-</u>				
Per Year	6	12	24		
Number of Security Personnel	1	1	3		
Baseline Background Checks					
Criminal Only	No	No	Yes		
Government Secret	No	No	Yes		
Number of Existing Staff Requiring					
Background Checks	15	30	50		
Training					
Number of Employees Assigned to					
Work With Select Agents for the First		_	_		
Time Per Year	3	5	8		
Transfers and Notification					
Number of Transfers Per Year	2	5	10		

Facility Type	Commercial	Commercial	Commercial
		_	_
Biological Safety Level	3	3	3
Facility Size	S	M	L
Number of Facilities	50	50	25
General Characteristics		Γ	Г
Number of Employees with Access to			
Select Agents	3	15	25
Turnover Rate	10%	0.1	5%
Number of New Employees per Year	1	3	3
Number of Employees with Access to			
Select Agent Areas but not to the Select			
Agents	3	15	30
Number of Entity Owners	0	4	12
Number of Times that Select Agents			
Are Accessed Per Year			
Toxins	0	0	200
Biological Agents	52	200	260
Number of Buildings in Which Select			
Agents Are Used	1	2	3
Number of Floors on Which Select			
Agents Are Used	1	2	3
Number of Rooms Select Agents Used			
or Stored	1	5	10
Toxins Used at the Facility	No	No	Yes
Number of Select Agents	3	10	20
J			<u> </u>
Registration			
Number of Registration Amendments			
Per Year	0.5	1	2
Number of Notifications of Total Stock		-	_
Destruction Per Year	0.33	0.33	0.33
Book doubling from	0.00	0.00	0.00
Safety Characteristics			
Biological Safety Level	3	3	3
Number of RO Inspections Per Year	3	3	3
Safety Plan In Place	Yes	Yes	Yes
Inventory Tracking System	Yes	Yes	Yes
inventory fractaing dystem	1 53	163	1 63
Security Characteristics			
Baseline Security Measures In Place			
Guard at Entrance	Yes	Yes	Yes
Intrusion Detection System (e.g.,	1 62	162	162
, ,	Voo	Vaa	Vac
alarm) Card Key System	Yes	Yes	Yes
	Yes	Yes	Yes
Locks on Select Agent Storage	V	V	Var
Cabinets	Yes	Yes	Yes
Colort Amont Cine aut/Cine in C. (	V	.,	V
Select Agent Sign-out/Sign-in System	Yes	Yes	Yes
Risk Based Security Plan In Place	No	No	No

Facility Type	Commercial	Commercial	Commercial		
Biological Safety Level	3	3	3		
Facility Size	S	M	L		
Number of Facilities	50	50	25		
Non-Risk Based Security Plan In Place	Yes	Yes	Yes		
Number of Times Security System is Performance Tested Per Year	2	3	4		
Number of Times Visitors are On Site Per Year	6	12	24		
Number of Security Personnel	1	1	5		
Baseline Background Checks					
Criminal Only	Yes	No	Yes		
Government Secret	No	No	Yes		
Number of Existing Staff Requiring Background Checks	5	23	40		
Training					
Number of Employees Assigned to Work With Select Agents for the First					
Time Per Year	1	3	3		
Transfers and Notification					
Number of Transfers Per Year	5	8	12		

				1
Facility Type	Federal	Federal	Federal	Federal
Biological Safety Level	2	2-3	3	4
Facility Size	L	L	L	L
Number of Facilities	24	24	24	3
General Characteristics				
Number of Employees with Access to				
Select Agents	25	30	25	10
Turnover Rate	0.07	7%	0.07	10%
Number of New Employees per Year	3	3	3	1
Number of Employees with Access to				
Select Agent Areas but not to the Select				
Agents	5	5	5	0
Number of Entity Owners	0	0	0	0
Number of Times that Select Agents		•		•
Are Accessed Per Year				
Toxins	300	300	300	150
Biological Agents	200	300	300	200
Number of Buildings in Which Select				
Agents Are Used	1	1	1	1
Number of Floors on Which Select				
Agents Are Used	1	1	1	1
Number of Rooms Select Agents Used				
or Stored	8	8	8	4
Toxins Used at the Facility	Yes	Yes	Yes	Yes
Number of Select Agents	20	20	20	20
Registration				
Number of Registration Amendments				
Per Year	2	2	2	2
Number of Notifications of Total Stock		_	_	_
Destruction Per Year	0.33	0.33	0.33	0.33
Safety Characteristics				
Biological Safety Level	2	2-3	3	4
Number of RO Inspections Per Year	2	3	3	4
Safety Plan In Place	Yes	Yes	Yes	Yes
Inventory Tracking System	Yes	Yes	Yes	Yes
Security Characteristics				
Baseline Security Measures In Place				
Guard at Entrance	Yes	Yes	Yes	Yes
Intrusion Detection System (e.g.,	. 33	. 55		. 55
alarm)	No	Yes	Yes	Yes
Card Key System	Yes	Yes	Yes	Yes
Locks on Select Agent Storage		. 55		
Cabinets	Yes	Yes	Yes	Yes
3.500				
Select Agent Sign-out/Sign-in System	Yes	Yes	Yes	Yes
Risk Based Security Plan In Place	No	No	No	Yes
raisk based security Flam III Flace	110	140	140	163

Facility Type	Federal	Federal	Federal	Federal
Biological Safety Level	2	2-3	3	4
Facility Size	L	L	L	L
Number of Facilities	24	24	24	3
Non-Risk Based Security Plan In Place	Yes	Yes	Yes	Yes
Number of Times Security System is				
Performance Tested Per Year	4	4	4	4
Number of Times Visitors are On Site				
Per Year	24	24	24	24
Number of Security Personnel	3	3	2	3
Baseline Background Checks				
Criminal Only	Yes	Yes	Yes	Yes
Government Secret	Yes	Yes	Yes	Yes
Number of Existing Staff Requiring				
Background Checks	28	33	28	10
Training				
Number of Employees Assigned to				
Work With Select Agents for the First				
Time Per Year	3	3	3	1
Transfers and Notification				
Number of Transfers Per Year	25	40	35	2

	Research	Research	Research	Research
Facility Type	Institution	Institution	Institution	Institution
гасти туре	mstitution	mstitution	เกรแนแบก	mstitution
Biological Safety Level	2	2-3	3	4
Facility Size	M	M	M	L
Number of Facilities	20	19	19	1
General Characteristics	20	10	10	ı
Number of Employees with Access to		l		
Select Agents	20	30	25	10
Turnover Rate	0.07	13%	0.1	10%
Number of New Employees per Year	5	6	3	2
Number of Employees with Access to		0	<u> </u>	
Select Agent Areas but not to the Select				
Agents	50	10	5	5
Number of Entity Owners	4	4	4	8
Number of Times that Select Agents	<del>_</del>			U
Are Accessed Per Year				
Toxins	0	0	150	150
Biological Agents	 175	150	200	200
Number of Buildings in Which Select	173	130	200	200
Agents Are Used	2	1	1	1
Number of Floors on Which Select				ı
Agents Are Used	2	1	1	1
Number of Rooms Select Agents Used		'	'	ı
or Stored	4	28	15	3
Toxins Used at the Facility	<del>4</del> No	No	Yes	Yes
Number of Select Agents	10	10	10	20
Number of Select Agents	10	10	10	20
Registration				
Number of Registration Amendments				
Per Year	1	1	1	2
Number of Notifications of Total Stock	ı	1	1	
Destruction Per Year	0.33	0.33	0.33	0.33
Destruction Fer Tear	0.55	0.55	0.55	0.55
Safety Characteristics				
Biological Safety Level	2	2-3	3	4
Number of RO Inspections Per Year	2	3	3	4
Safety Plan In Place	Yes	Yes	Yes	Yes
Inventory Tracking System	No	Yes	Yes	Yes
Inventory Tracking System	INU	165	165	165
Security Characteristics				
Baseline Security Measures In Place				
Guard at Entrance	Yes	Yes	Yes	Yes
Intrusion Detection System (e.g.,	1 62	162	162	162
_ · · · · · · · · · · · · · · · · · · ·	Voo	Voo	Voo	Voo
alarm) Card Key System	Yes	Yes	Yes Yes	Yes Yes
Locks on Select Agent Storage	Yes	Yes	1 68	168
	Voo	Vaa	Vaa	Vaa
Cabinets	Yes	Yes	Yes	Yes
Soloet Agont Sign out/Sign in System	Na	Vaa	Vaa	Vaa
Select Agent Sign-out/Sign-in System	No	Yes	Yes	Yes
Risk Based Security Plan In Place	No	No	No	Yes

	Research	Research	Research	Research
Facility Type	Institution	Institution	Institution	Institution
Biological Safety Level		2-3	3	4
Facility Size	M	M	M	L
Number of Facilities	20	19	19	1
Non-Risk Based Security Plan In Place	Yes	Yes	Yes	Yes
Number of Times Security System is				
Performance Tested Per Year	3	3	3	4
Number of Times Visitors are On Site				
Per Year	12	12	12	24
Number of Security Personnel	3	3	3	3
Baseline Background Checks				
Criminal Only	No	No	Yes	Yes
Government Secret	No	No	Yes	Yes
Number of Existing Staff Requiring				
Background Checks	45	35	28	13
Training				
Number of Employees Assigned to				
Work With Select Agents for the First				
Time Per Year	5	6	3	2
Transfers and Notification				
Number of Transfers Per Year	5	12	10	2

Г	T		1	
Facility Type	State	State	State	State
Tuemty Type	Out of		0.0.0	0.00
Biological Safety Level	Compliance	2	2-3	3
Facility Size	М	 M	M	M
Number of Facilities	0	8	8	7
General Characteristics	•			
Number of Employees with Access to				
Select Agents	10	15	20	15
Turnover Rate	0.05	5%	0.07	5%
Number of New Employees per Year	2	2	3	1
Number of Employees with Access to	_		,	
Select Agent Areas but not to the Select				
Agents	20	25	20	5
Number of Entity Owners	0	0	0	0
Number of Times that Select Agents	J			
Are Accessed Per Year				
Toxins	100	200	0	100
Biological Agents	50	60	200	100
Number of Buildings in Which Select	00		200	100
Agents Are Used	2	2	1	1
Number of Floors on Which Select	_	_		·
Agents Are Used	2	3	1	1
Number of Rooms Select Agents Used	_			
or Stored	4	5	5	4
Toxins Used at the Facility	Yes	Yes	No	Yes
Number of Select Agents	10	10	10	10
gente				
Registration				
Number of Registration Amendments				
Per Year	1	1	1	1
Number of Notifications of Total Stock				
Destruction Per Year	0.33	0.33	0.33	0.33
Safety Characteristics				
	ut of Compliand	2	2-3	3
Number of RO Inspections Per Year	2	2	3	3
Safety Plan In Place	No	No	Yes	Yes
Inventory Tracking System	No	Yes	Yes	Yes
, , ,				
Security Characteristics				
Baseline Security Measures In Place				
Guard at Entrance	No	No	Yes	Yes
Intrusion Detection System (e.g.,	-	<u>-</u>		
alarm)	No	No	Yes	Yes
Card Key System	No	Yes	Yes	Yes
Locks on Select Agent Storage				
Cabinets	Yes	Yes	Yes	Yes
Select Agent Sign-out/Sign-in System	No	Yes	Yes	Yes
Risk Based Security Plan In Place	No	No	No	No
·			-	

	01-1-	01-1-	01-1-	01-1-
Facility Type	State	State	State	State
	Out of			
Biological Safety Level	Compliance	2	2-3	3
Facility Size	М	M	M	M
Number of Facilities	0	8	8	7
Non-Risk Based Security Plan In Place	No	No	No	No
Number of Times Security System is				
Performance Tested Per Year	2	2	2	2
Number of Times Visitors are On Site				
Per Year	12	12	12	12
Number of Security Personnel	2	2	2	2
Baseline Background Checks				
Criminal Only	No	No	No	No
Government Secret	No	No	No	No
Number of Existing Staff Requiring				
Background Checks	20	28	30	18
Training				
Number of Employees Assigned to				
Work With Select Agents for the First				
Time Per Year	2	2	3	1
Transfers and Notification				
Number of Transfers Per Year	5	5	5	10

	Out of			I
Facility Type		University	University	University
Facility Type	Compliance	Offiversity	Offiversity	Offiversity
Biological Safety Level	University	2	2	2
Facility Size		S	M	L
Number of Facilities		33	33	17
General Characteristics	70		- 00	17
Number of Employees with Access to	I			I
Select Agents	50	8	50	80
Turnover Rate	15%	0.1	10%	0.1
Number of New Employees per Year	10	2	6	9
Number of Employees with Access to	10			
Select Agent Areas but not to the Select				
Agents	15	10	8	10
Number of Entity Owners	10	8	10	12
Number of Times that Select Agents	10	0	10	12
Are Accessed Per Year				
Toxins	200	130	200	300
Biological Agents	260	260	260	350
Number of Buildings in Which Select	200	200	200	330
Agents Are Used	3	1	3	4
Number of Floors on Which Select	3	<u> </u>	3	7
Agents Are Used	3	1	3	4
Number of Rooms Select Agents Used	3	ı	3	4
or Stored	12	3	12	18
Toxins Used at the Facility	Yes	Yes	Yes	Yes
Number of Select Agents	10	3	10	20
Number of Select Agents	10	3	10	20
Registration				
Number of Registration Amendments				1
Per Year	1	0.5	1	2
Number of Notifications of Total Stock	'	0.0		
Destruction Per Year	0.33	0.33	0.33	0.33
Destruction Fer Fear	0.55	0.55	0.55	0.55
Safety Characteristics				
	of Complianc	2	2	2
Number of RO Inspections Per Year	2	2	2	2
Safety Plan In Place	No	Yes	Yes	Yes
Inventory Tracking System	No	Yes	Yes	Yes
inventory Tracking Gystem	NO	163	163	163
Security Characteristics				
Baseline Security Measures In Place				
Guard at Entrance	No	No	No	No
Intrusion Detection System (e.g.,	INO	INU	INO	110
alarm)	No	No	No	No
Card Key System	No	No No	No	No
Locks on Select Agent Storage	INU	INU	INU	INU
Cabinets	Yes	Yes	Yes	Yes
Cabilieta	162	1 62	1 62	169
Select Agent Sign-out/Sign-in System	No	Yes	Yes	Yes
Risk Based Security Plan In Place	No	No	No Yes	No
Mak Dascu Secully Fiall III Flace	INU	INU	INU	INU

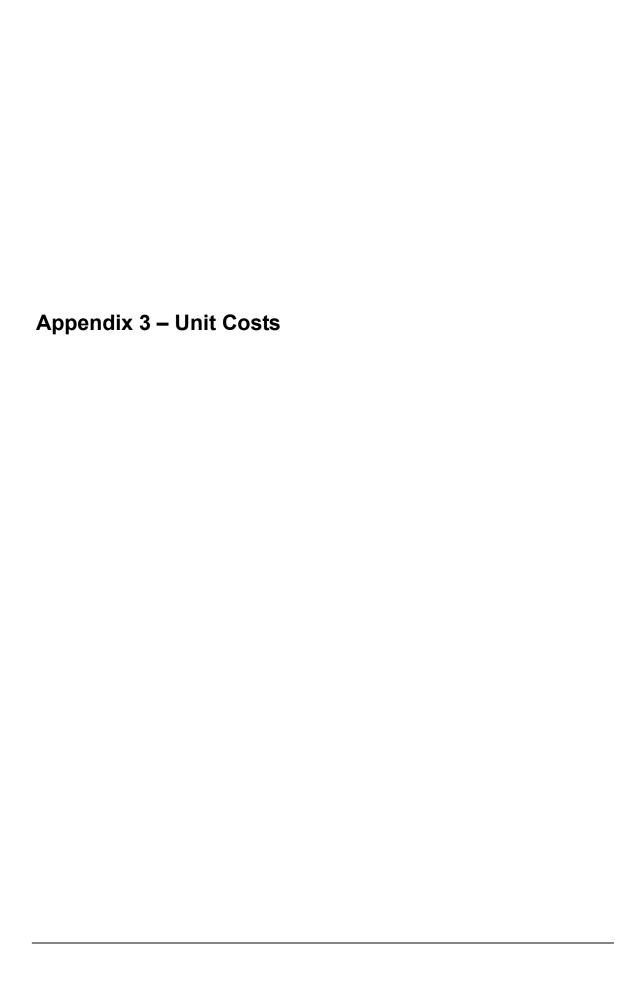
	Out of			
Facility Type	Compliance	University	University	University
Biological Safety Level	University	2	2	2
Facility Size	M	S	M	L
Number of Facilities	49	33	33	17
Non-Risk Based Security Plan In Place	No	No	No	No
Number of Times Security System is				
Performance Tested Per Year	2	1	2	2
Number of Times Visitors are On Site				
Per Year	12	24		
Number of Security Personnel	2	5	5	8
Baseline Background Checks				
Criminal Only	No	No	No	No
Government Secret	No	No	No	No
Number of Existing Staff Requiring				
Background Checks	58	13	54	85
Training				
Number of Employees Assigned to				
Work With Select Agents for the First				
Time Per Year	10	2	6	9
Transfers and Notification				
Number of Transfers Per Year	4	2	4	8

Facility Type	University	University	University
Biological Safety Level	2-3	2-3	2-3
Facility Size	S	M	L
Number of Facilities	33	33	17
General Characteristics		•	
Number of Employees with Access to			
Select Agents	7	40	100
Turnover Rate	15%	0.15	10%
Number of New Employees per Year	2	8	12
Number of Employees with Access to			
Select Agent Areas but not to the Select			
Agents	0	10	12
Number of Entity Owners	8	10	12
Number of Times that Select Agents		•	•
Are Accessed Per Year			
Toxins	100	150	400
Biological Agents	100	150	400
Number of Buildings in Which Select			
Agents Are Used	1	12	4
Number of Floors on Which Select			
Agents Are Used	1	12	5
Number of Rooms Select Agents Used			
or Stored	1	15	20
Toxins Used at the Facility	Yes	Yes	Yes
Number of Select Agents	3	10	20
Registration			
Number of Registration Amendments			
Per Year	0.5	1	2
Number of Notifications of Total Stock			
Destruction Per Year	0.33	0.33	0.33
Safety Characteristics			
Biological Safety Level	2-3	2-3	2-3
Number of RO Inspections Per Year	3	3	3
Safety Plan In Place	Yes	Yes	Yes
Inventory Tracking System	Yes	Yes	Yes
Security Characteristics			
Baseline Security Measures In Place			
Guard at Entrance	Yes	No	No
Intrusion Detection System (e.g.,	<del></del>		
alarm)	No	No	No
Card Key System	Yes	No	No
Locks on Select Agent Storage			
Cabinets	Yes	Yes	Yes
Select Agent Sign-out/Sign-in System	Yes	Yes	Yes
Risk Based Security Plan In Place	No	No	No

Facility Type	University	University	University
, , ,	•	j	j
Biological Safety Level	2-3	2-3	2-3
Facility Size	S	M	L
Number of Facilities	33	33	17
Non-Risk Based Security Plan In Place	No	No	No
Number of Times Security System is			
Performance Tested Per Year	1	2	2
Number of Times Visitors are On Site			
Per Year	6	12	24
Number of Security Personnel	3	5	10
Baseline Background Checks			
Criminal Only	No	Yes	Yes
Government Secret	No	No	No
Number of Existing Staff Requiring			
Background Checks	7	45	106
Training			
Number of Employees Assigned to			
Work With Select Agents for the First			
Time Per Year	2	8	12
Transfers and Notification			
Number of Transfers Per Year	0	1	8

Facility Type	University	University	University
Biological Safety Level	3	3	3
Facility Size	S	M	Ĺ
Number of Facilities	28	28	14
General Characteristics	20	20	17
Number of Employees with Access to			
Select Agents	5	30	80
Turnover Rate	0.15	15%	0.15
Number of New Employees per Year	1	6	14
Number of Employees with Access to		0	14
Select Agent Areas but not to the Select			
<u> </u>	0	_	40
Agents	0	5	10
Number of Entity Owners	8	10	12
Number of Times that Select Agents			
Are Accessed Per Year	400	450	
Toxins	100	150	400
Biological Agents	100	200	400
Number of Buildings in Which Select			
Agents Are Used	1	4	5
Number of Floors on Which Select			
Agents Are Used	1	4	5
Number of Rooms Select Agents Used			
or Stored	2	10	20
Toxins Used at the Facility	Yes	Yes	Yes
Number of Select Agents	3	10	20
Registration  Number of Registration Amendments			
Per Year	0.5	1	2
Number of Notifications of Total Stock	0.5	'	
Destruction Per Year	0.33	0.33	0.33
Destruction refreat	0.55	0.55	0.55
Safety Characteristics			
Biological Safety Level	3	3	3
Number of RO Inspections Per Year	3	3	3
Safety Plan In Place	Yes	Yes	Yes
Inventory Tracking System	Yes	Yes	Yes
Security Characteristics  Baseline Security Measures In Place			
Guard at Entrance	No	No	No
Intrusion Detection System (e.g.,	140	110	140
alarm)	No	No	Yes
Card Key System	Yes	No	No
Locks on Select Agent Storage	1 62	INU	INU
	Voc	Vaa	Vaa
Cabinets	Yes	Yes	Yes
Coloot Agent Cian aut/Cian in Custom	Va -	V	V
Select Agent Sign-out/Sign-in System	Yes	Yes	Yes
Risk Based Security Plan In Place	No	No	No

Facility Type	University	University	University
Biological Safety Level	3	3	3
Facility Size	S	M	L
Number of Facilities	28	28	14
Non-Risk Based Security Plan In Place	No	No	No
Number of Times Security System is Performance Tested Per Year	1	2	2
Number of Times Visitors are On Site Per Year	6	12	24
Number of Security Personnel	3	3	5
Baseline Background Checks			
Criminal Only	Yes	No	Yes
Government Secret	No	No	No
Number of Existing Staff Requiring Background Checks	5	33	85
Training			
Number of Employees Assigned to Work With Select Agents for the First			
Time Per Year	1	6	14
Transfers and Notification			
Number of Transfers Per Year	1	2	10



# **APPENDIX 3: UNIT COSTS**

The unit costs presented in this appendix are based on the research conducted as part of this study. This research includes internet research as well as telephone calls to vendors (e.g., Fisher Scientific, locksmiths) and governmental agencies (e.g., the Bureau of Labor Statistics). Individual citations for each unit cost are documented within the spreadsheet model.

Shipping Options		Rate			
Federal Express	\$	10.00	Estimated Av	erag	je Rate
US Postal Service Rates					
1 ounce letter USPS	\$	0.37			
2 ounce letter USPS	\$	0.60			
3 ounce letter USPS	\$	0.83			
4 ounce letter USPS	\$	1.06			
5 ounce letter USPS	\$	1.29			
6 ounce letter USPS	\$ \$	1.52			
7 ounce letter USPS		1.75			
8 ounce letter USPS	\$	1.98			
9 ounce letter USPS	\$	2.21			
Fingerprint Fee	\$	66.00			
Biological Safety Cabinet					
Equipment Cost	\$	6,660.00			
Certification Cost	\$	1,100.00			
Eye Wash Station	\$	60.00			
Retrofitting Storage Cabinets	with Lo	ocks	\$ 100.00		
Card Key System  Access Control Software  Computer to Run Software an Access Control Panels, one p Card Readers  New Cards  Annual Maintenance Contract	er 20 ca	ard readers	1	\$ \$ \$ \$ \$ \$	3,000.00 2,000.00 27,500.00 2,750.00 12.00 10,000.00

Motion Detection System - Equipment & Installation	
Per Lab Room Costs	
Key Pad and Focus Panel	\$ 800.00
Balanced Magnetic System for Door	\$ 85.00
Motion Detector	\$ 75.00
Installation	\$ 2,000.00
Motion Detection System - Annual Costs	
Maintenance Contract	\$ 200.00
Monitoring Fee	\$ 600.00
High Security Line	\$ 400.00
Total Annual Costs	\$ 1,200.00

Cost of a Filing Cabinet	\$ 400.00
Cost of a Lock Box	\$ 100.00
Legal	\$ 108.35 /hour
Managerial	\$ 86.09 /hour
Technical	\$ 69.43 /hour
Clerical	\$ 29.57 /hour
Security Guard	\$ 20.86 /hour

#### **Hourly Rates**

Legal	\$ 108.35 /hour
Managerial	\$ 86.09 /hour
Technical	\$ 69.43 /hour
Clerical	\$ 29.57 /hour
Security Guard	\$ 20.86 /hour

## **Derivation of Hourly Rates**

Labor	20	00 Unloaded		2000 Fringe	Overhead	2	000 Loaded	ECI	2	002 Loaded
Category		Rates	Fringe Multiple	Loaded Rates	Multiple		Rates	Multiple		Rates
Legal	\$	43.90	40%	\$ 61.46	63%	\$	100.18	8.2%	\$	108.35
Managerial	\$	34.88	40%	\$ 48.83	63%	\$	79.60	8.2%	\$	86.09
Technical	\$	28.13	40%	\$ 39.38	63%	\$	64.19	8.2%	\$	69.43
Clerical	\$	11.98	40%	\$ 16.77	63%	\$	27.34	8.2%	\$	29.57
Security Guard	\$	8.45	40%	\$ 11.83	63%	\$	19.28	8.2%	\$	20.86

#### **Loadings for Raw Labor**

Fringe 40% Overhead 63%

Source: 7th Annual Grant Thorton "Government Contractor Industry Survey: The Pulse of a Vital Industry" for the Biomedical Industry.

Employment Cost Index (ECI) Adjustment between 2000 and 2002 8.2%

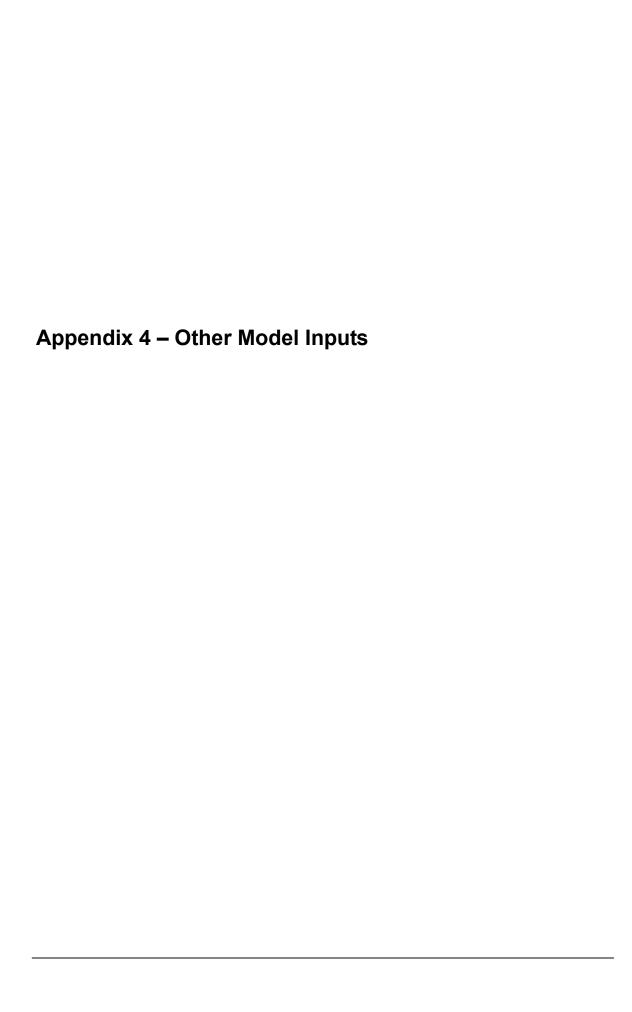
Employment Cost Index news release 7/25/02, Table B

% Increase over Previous Year for Compensation Costs

 2000
 4.6%

 2001
 4.0%

 2002
 4.0%



# Information on the Distribution of Facilities Across BSL Levels and Entity Types

Biosafety Level	% in Each Category
Toxins Only	23%
2	33%
3	42%
4	2%
	100%

Source: CDC Power Point presentation titled "Select Agent Rule"

Types of Facilities	% in Each Category
Government - DOD	7%
Government - CDC	13%
Subtotal Federal	20%
University	37%
Research Institution	21%
Commercial	21%
State	1%
	100%

Source: CDC Power Point presentation titled "Select Agent Rule"

## **Financial Information**

Discount Rate 7%

# **Rule Familiarization and Number of Select Agents Information**

	Rule Familiarization Hours for:			_		
						Number of Select Agents
	Facility Size	Legal Staff	Managerial Staff	Technical Staff	Clerical Staff	by Size
Small Facilities	S	1	1	1	0	3
Medium Facilities	M	2	2	2	0	10
Large Facilities	L	3	3	3	0	20

Review Select Agent List Annually	Hours to Complete the Select Agent List by Facility Size		
_	Small	Medium	Large
Legal Hours	0.0 hr	0.0 hr	0.0 hr
Managerial Hours	0.5 hr	0.5 hr	0.5 hr
Technical Hours	0.0 hr	0.0 hr	0.0 hr
Clerical hours	0.0 hr	0.0 hr	0.0 hr

# **Exempt Labs**

#### 73.6(a)(2) Report to CDC that Select Agents Identified

	Hours
Legal Hours	0.0 hr
Managerial Hours	0.5 hr
Technical Hours	0.5 hr
Clerical hours	0.0 hr
Number of Reports per Year	1,000

#### 73.6(a)(7) Prepare & Submit Record of Transfer or Destruction

#### 73.6(c) Submit Application for Exemption - Investigations

	Hours
Legal Hours	0.0 hr
Managerial Hours	1.2 hr
Technical Hours	0.0 hr
Clerical hours	0.0 hr
Number of Exemption Applications	12

## 73.6(d) Submit Application for Exemption - Public Health Emergency

	Hours
Legal Hours	0.0 hr
Managerial Hours	1.2 hr
Technical Hours	0.0 hr
Clerical hours	0.0 hr
Number of Exemption Applications	5

# Registration

73.7(b) Initial Registration	Percent of Hours to Complete the Registration Application			
	Small	Medium	Large	
Legal Hours	12.5%	12.5%	12.5%	
Managerial Hours	62.5%	62.5%	62.5%	
Technical Hours	12.5%	12.5%	12.5%	
Clerical hours	12.5%	12.5%	12.5%	
Hours to Complete Registration Application for Entity and One Lab				
Room Number of Hours per Additional Lab	3.75 hr			
Room	0.75 hr			
Registration Package Delivered by: Number of Packages:	Federal Express	lacksquare		

#### 73.7(d) Registration Amendment

Hours to Com	iplete the Regis	tration Amend	iment by	Facility Size

	Small	Medium	Large
Legal Hours	0.5 hr	0.5 hr	0.5 hr
Managerial Hours	0.5 hr	0.5 hr	0.5 hr
Technical Hours	0.5 hr	0.5 hr	0.5 hr
Clerical hours	0.0 hr	0.0 hr	0.0 hr

	Facility Size	Number of Registration Amendments Per Year
Small Facilities	S	0.5
Medium Facilities	M	1
Large Facilities	L	2
Registration Package Delivered by: Number of Packages:	Federal Express	•

73.7(g) Re-Registration	Percent of Hours to Complete the Re-Registration Application			
	Small	Medium	Large	
Legal Hours	12.5%	12.5%	12.5%	
Managerial Hours	62.5%	62.5%	62.5%	
Technical Hours	12.5%	12.5%	12.5%	
Clerical hours	12.5%	12.5%	12.5%	
Hours to Complete Re-Registration Application for Entity and One Lab				
Room Number of Hours per Additional Lab	3.00 hr			
Room	0.75 hr			
Frequency in Years the Facilities Must Re-register	3			
Registration Package Delivered by: Number of Packages:	Federal Express	▼		

# 73.7(h) Notification of Total Stock

Destruction	Hours to Complete Notification of Stock Destruction by Facility Size			
	Small	Medium	Large	
Legal Hours	0.0 hr	0.0 hr	0.0 hr	
Managerial Hours	0.5 hr	0.5 hr	0.5 hr	
Technical Hours	0.0 hr	0.0 hr	0.0 hr	
Clerical hours	0.0 hr	0.0 hr	0.0 hr	
Registration Package Delivered by: Number of Packages:	Federal Express	▼		

#### Clerical Hours to Obtain Applications and Submit Applications and Notices

Clerical hours 0.1 hr

# **Entity and Individual Database Review**

#### 73.8(c) Risk Assessment for Entity & Entity Owners

Hours to Prepare Entity
Database Review

	Application
Legal Hours	0.5 hr
Managerial Hours	0.5 hr
Technical Hours	1.0 hr
Clerical hours	0.0 hr

**Number of Entity Owners** 

Entity Type	Small	Medium	Large	
Federal	0	0	0	
State	0	0	0	
University	8	10	12	
Commercial	0	4	12	
Research Institution	0	4	8	

Hours to Prepare a New

Database Review

	Application
Legal Hours	0.0 hr
Managerial Hours	6.0 hr
Technical Hours	0.0 hr
Clerical hours	0.0 hr

Registration Package Delivered by:

Federal Express

#### 73.8(c) Risk Assessment for Existing Staff

Percent of Employees with Access to Select Agent Areas (but not to select agents) that Will Submit Information for Database Review

50%

Percent of Employees with Access to Select Agent Areas (but not to select agents) that Will be Escorted or Who Will Lose Access Priviledges

50% 100%

	Hours to Prepare a New Database Review	Hours for Staff Who Obtained Clearance More
	Application	Than Three years ago
Legal Hours	0.0 hr	0.0 hr
Managerial Hours	0.0 hr	0.0 hr
Technical Hours	6.0 hr	2.0 hr
Clerical hours	0.0 hr	0.0 hr
Security staff hours to process and submit one application	1.5 hr	0.5
Registration Package Delivered by:	Federal Express	▼

#### 73.8(c) Risk Assessment for New Staff

The hours are the same as for existing staff under 73.8(c)

Registration Package Delivered by: Number of Packages:

Federal Express 

1

#### 73.8(f) Risk Assessment Re-Application

	Hours to Prepare a New	Hours to Prepare a New
	Database Review	Database Review
	Application for Owners	Application for Owners
Legal Hours	0.0 hr	0.0 hr
Managerial Hours	0.0 hr	2.0 hr
Technical Hours	2.0 hr	0.0 hr
Clerical hours	0.0 hr	0.0 hr

Security staff hours to process and

submit one application 0.5 hr

Registration Package Delivered by:

Number of Packages:

1

Frequency in Years the Individuals Must Re-apply for Clearance

5

# Safety

#### 73.10(a) Develop and Implement Safety Plan

76. To(a) Develop and implement dutety	Facility Size	Number of Technical Hours to Develop a New Safety Plan	Number of Technical Hours to Develop Safety Plan if Facility Already Has a Safety Plan
Small Facilities	S	80.0 hr	40.0 hr
Medium Facilities	M	120.0 hr	60.0 hr
Large Facilities	L	160.0 hr	80.0 hr

Legal Time as a Percent of Technical Time to Prepare the Safety Plan	0%
Managerial Time as a Percent of	
Technical Time to Prepare the Safety	
Plan	10%
Clerical Time as a Percent of Technical	
Time to Prepare the Safety Plan	15%

Safety Training per Employee to Inform Them of the New Requirements Technical Hours 2.0 hr

## 73.10(b) RO Safety Inspections

	Number of RO
Biological Safety Level	Inspections per Year
Out of Compliance	2
2	2
2-3	3
3	3
1	1

	Hours for RO Inspection by Facility Size		
	Small	Medium	Large
Managerial Hours	1.0 hr	1.0 hr	1.0 hr
Technical Hours	0.0 hr	0.0 hr	0.0 hr
	Hours to Document RO Inspection by Facility Size		
	Small	Medium	Large
Managerial Hours	0.3 hr	0.3 hr	0.3 hr
Technical Hours	0.0 hr	0.0 hr	0.0 hr
	Hours to Address	Findings From RO Inspection	on by Facility Size
	Small	Medium	Large
Managerial Hours	0.1 hr	0.1 hr	0.1 hr
Technical Hours	0.3 hr	0.3 hr	0.3 hr

# Security

#### 73.11(a) Develop and Implement Security Plan

#### **Technical Hours To:**

		Develop a New Security	Upgrade an Existing	Performance Test Security
Security Plan Items	Facility Size	Plan	Security Plan	System
Small Facilities	S	120	60	0
Medium Facilities	M	240	120	0
Large Facilities	L	360	180	0

Legal Time as a Percent of Technical	
Time to Prepare the Security Plan	0%
Managerial Time as a Percent of	
Technical Time to Prepare the Security	
Plan	10%
Clerical Time as a Percent of Technical	
Time to Prepare the Security Plan	15%

Hours Required to Train Technical Staff on Security Requirements

1.0 hr

#### 73.11(c) Review and Revise Security Plan

Review and Revise Security Plan

Security Plan Items	Facility Size	Security Plan
Small Facilities	S	20
Medium Facilities	M	40
Large Facilities	L	60

#### 73.11 NOT REQUIRED IN 12/06/02 DRAFT - Test Workers and Visitors on Security Reqs

#### **Number of Times Visitors Come to the Lab**

	Facility Size	Number of Visits
Small Facilities	S	6
Medium Facilities	M	12
Large Facilities	L	24

**Duration of Training on Security** 

Requirements for Visitors

0.0 hr

#### 73.11(d) Limit Access to Areas and Agents

Hours to Manage Access Controls, Such as Distributing Keys and
Maintaining Authorized Personnel Lists

	Main	taining Authorized Personnel	Lists
	Small	Medium	Large
Legal Hours	0.0 hr	0.0 hr	0.0 hr
Managerial Hours	2.0 hr	2.0 hr	4.0 hr
Technical Hours	2.0 hr	6.0 hr	12.0 hr
Clerical hours	0.0 hr	0.0 hr	0.0 hr
Card Key Access System			
Number of Card Readers per Access			
Control Panel	20		
Percent of Total Card Key Cards that			
need to be Purchased Each Year	20%		
		Percent of Large Annual	
Card Key System Maintenance Contract	Facility Size	Maintenance Contract	
Small Facilities	S	50%	
Medium Facilities	M	75%	
Large Facilities	L	100%	
Intrusion Detection System			
Number of Motion Detectors per room	4		
Total One Time Motion Detection			
System Installation Cost per Room	\$ 3,185		
Day-time unarmed Guards			
Number of Guards per Day	2		
Number of Hours Per Day Per Guard	8.0 hr		
Number of Work Days Per Year	250		
Annual Cost of Day-time unarmed			
Guards	\$ 83,426		

Draft

# **Training Information**

#### 73.13(b) Train First Time Users of Agents

**Duration of Initial Training** 

6.0 hr

	No Safety Plan in Place	Safety Plan in Place
Number of Course Development Hours per Hour of Class Time	8.0 hr	4.0 hr
	Hours for Development of Training if No Safety Plan in Place	Hours for Development of Training if A Safety Plan is in Place
Managerial Hours	4.0 hr	2.0 hr
Technical Hours	48.0 hr	24.0 hr
Clerical hours	8.0 hr	4.0 hr
73.13(b) Annual Refresher Training		
Duration of Annual Refresher Training	3.0 hr	
Number of Course Development Hours per Hour of Class Time	No Safety Plan in Place 8.0 hr	Safety Plan in Place 4.0 hr
	Hours for Development of Training if No Safety Plan in Place	Hours for Development of Training if A Safety Plan is in Place
Managerial Hours	2.0 hr	1.0 hr
Technical Hours	24.0 hr	12.0 hr
Clerical hours	4.0 hr	3.0 hr
	Hours for Delivering	
	Training	
Managerial Hours	Training 0.5 hr	
Managerial Hours Technical Hours Clerical hours	Training	

#### 73.13(d) Lab Director Certification of Adequate Skills

	Hours	_
Legal Hours	0.00 hr	_
Managerial Hours	1.00 hr	
Technical Hours	0.00 hr	
Clerical hours	0.00 hr	
Certification Letter Delivered by:	US Postal Service Rates	•
Number of Packages:	1	

#### 73.13(e) Training, Testing and Record Maintenance

Cost of Maintaining Records	Hours To Maintain Training and Testing Records		
	Small	Medium	Large
Managerial Hours	0.5 hr	2.0 hr	4.0 hr
Technical Hours	0.0 hr	0.0 hr	0.0 hr
Clerical hours	0.0 hr	0.0 hr	0.0 hr

## **Transfers**

#### 73.14(c) Submit Form EA-101 Prior to Transfer

	Hours
Legal Hours	0.00 hr
Managerial Hours	0.50 hr
Technical Hours	1.25 hr
Clerical hours	0.00 hr

# 73.14(d)(1) NOT REQUIRED IN 12/06/02 DRAFT - Verify Certificates of Registration

	Hours
Legal Hours	0.0 hr
Managerial Hours	0.0 hr
Technical Hours	0.0 hr
Clerical hours	0.0 hr

#### 73.14(f) Acknowledge Receipt of Select Agents

	Hours
Legal Hours	0.00 hr
Managerial Hours	0.00 hr
Technical Hours	0.00 hr
Clerical hours	0.00 hr
Clerical hours to submit form	0.1 hr

#### 73.14(g) Notify CDC if Agents Not Received

	Hours
Legal Hours	0.0 hr
Managerial Hours	0.5 hr
Technical Hours	0.0 hr
Clerical hours	0.0 hr

## **Records Information**

#### 73.15(a) Maintain List of Individuals with Access to Agents

	Hours
Legal Hours	0.0 hr
Managerial Hours	1.0 hr
Technical Hours	0.0 hr
Clerical hours	0.0 hr

# **73.15(b) Maintain Inventory of Select Agents**Cost of Annual Inventory Reconciliation

	Hours
Managerial Hours	2.0 hr
Technical Hours	2.0 hr
Clerical hours	0.0 hr
Cost of Maintaining Toxin Inventory	

#### Cost of Maintaining Loxin Inventory

	Hours
Managerial Hours	0.0 hr
Technical Hours	0.2 hr

#### Cost of Maintaining Biological Agent Inventory

	Hours
Managerial Hours	0.0 hr
Technical Hours	0.1 hr

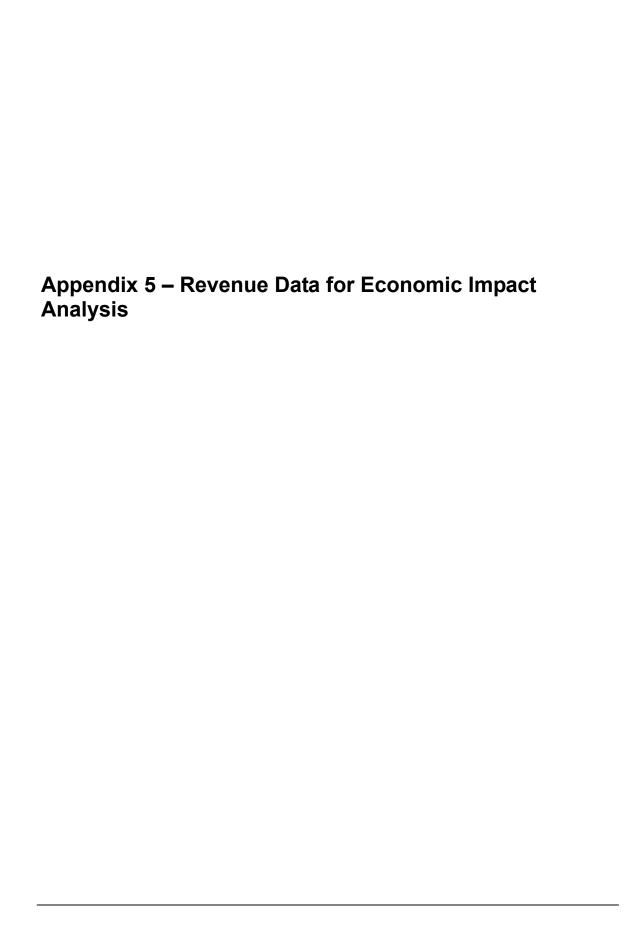
# **73.15(c) Maintain Room and Agent Access Records**Cost of Maintaining Room Access Records

Hours
0.0 hr
2.0 hr
8.0 hr
0.0 hr
s
Hours
0.0 hr
2.0 hr
8.0 hr
0.0 hr

#### 73.15(d) Ensure Records are Accurate

Number of Times per Year Facilities Audit their Records to Ensure they Are 2 Accurate

	Hours
Legal Hours	0.0 hr
Managerial Hours	0.0 hr
Technical Hours	1.0 hr
Clerical hours	0.0 hr



Appendix 5: Revenue Data for Economic Impact Analysis

	NAIC 325412: Pharmaceutical Preparation Manufacturing			
Employment (Range of Employees)	Number of Establishments	Percentage of Total Establishments	Average Value of Shipments (1997 dollars)	Average Value of Shipments (2002 dollars)
1-4	179	21.4%	\$502,670	\$549,545
5-9	88	10.5%	\$1,562,318	\$1,708,005
10-19	128	15.3%	\$3,528,211	\$3,857,218
20-49	138	16.5%	\$7,814,616	\$8,543,332
50-99	85	10.2%	\$29,248,718	\$31,976,174
100-249	107	12.8%	\$73,334,458	\$80,172,929
250-499	62	7.4%	\$245,436,371	\$268,323,422
500-999	29	3.5%	\$473,131,207	\$517,250,902
1,000-2,499	15	1.8%	\$610,884,267	\$667,849,496
2,500+	6	0.7%	\$2,888,083,667	\$3,157,398,751
Total	837	100.0%	\$80,669,109	\$88,191,539

<sup>1997</sup> data from US Census Bureau.

N.	NAIC 325413: In-Vitro Diagnostic Substance Manufacturing			
Employment (Range of Employees)	Number of Establishments	Percentage of Total Establishments	Average Value of Shipments (1997 dollars)	Average Value of Shipments (2002 dollars)
1-4	42	18.6%	\$283,714	\$310,171
5-9	23	10.2%	\$1,205,435	\$1,317,842
10-19	29	12.8%	\$1,877,655	\$2,052,747
20-49	47	20.8%	\$5,398,511	\$5,901,924
50-99	33	14.6%	\$11,873,606	\$12,980,825
100-249	28	12.4%	\$31,299,821	\$34,218,544
250-499	15	6.6%	\$119,661,933	\$130,820,462
500-999	6	2.7%	\$151,504,500	\$165,632,362
1,000-2,499	2	0.9%	*	*
2,500+	1	0.4%	*	*
Total	226	100.0%	\$36,043,735	\$39,404,829

<sup>1997</sup> data from US Census Bureau.

<sup>&</sup>quot;Average Value of Shipments" calculated by dividing Total Value of Shipments by the Number of Establishments.
Figures updated to 2002 dollars using GDP deflators from U.S. Department of Commerce: Bureau of Economic Analysis

<sup>&</sup>quot;Average Value of Shipments" calculated by dividing Total Value of Shipments by the Number of Establishments. Figures updated to 2002 dollars using GDP deflators from U.S. Department of Commerce: Bureau of Economic Analysis \* Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

NAIC :	NAIC 325414: Biological Product (except Diagnostic) Manufacturing			
Employment (Range of Employees)	Number of Establishments	Percentage of Total Establishments	Average Value of Shipments (1997 dollars)	Average Value of Shipments (2002 dollars)
1-4	88	24.2%	\$353,909	\$386,911
5-9	51	14.0%	\$900,706	\$984,697
10-19	53	14.6%	\$2,169,566	\$2,371,879
20-49	100	27.5%	\$4,146,000	\$4,532,616
50-99	27	7.4%	\$11,068,741	\$12,100,906
100-249	21	5.8%	\$47,749,238	\$52,201,876
250-499	14	3.8%	\$53,877,929	\$58,902,069
500-999	7	1.9%	\$314,155,143	\$343,450,249
1,000-2,499	3	0.8%	\$274,769,667	\$300,392,060
2,500+	0	0.0%	\$0	\$0
Total	364	100.0%	\$15,620,723	\$17,077,362

<sup>1997</sup> data from US Census Bureau.

NAIC: 541710: Research and Development in the Physical, Engineering, and Life Sciences (Averages of taxable and nontaxable, operated for entire year)				
Employment (Range of Employees)	Number of Firms	Percentage of Total Firms	Average Revenue (1997 Dollars)	Average Revenue (2002 Dollars)
0-5	2836	46.0%	\$303,843	\$332,177
5-9	1152	18.7%	\$842,234	\$920,772
10-19	831	13.5%	\$1,811,597	\$1,980,529
20-49	705	11.4%	\$4,253,538	\$4,650,182
50-99	270	4.4%	\$8,765,941	\$9,583,369
100-249	230	3.7%	\$19,335,752	\$21,138,820
250-499	71	1.2%	\$44,585,901	\$48,743,557
500-999	31	0.5%	\$109,633,000	\$119,856,326
1,000+	35	0.6%	\$397,893,971	\$434,997,761
Total	6161	100.0%	\$5,458,639	\$5,967,659

<sup>1997</sup> data from US Census Bureau.

<sup>&</sup>quot;Average Value of Shipments" calculated by dividing Total Value of Shipments by the Number of Establishments.
Figures updated to 2002 dollars using GDP deflators from U.S. Department of Commerce: Bureau of Economic Analysis

<sup>&</sup>quot;Average Value of Shipments" calculated by dividing Total Value of Shipments by the Number of Establishments. Figures updated to 2002 dollars using GDP deflators from U.S. Department of Commerce: Bureau of Economic Analysis

NAIC 621511: Medical Laboratories (All taxable, operated for entire year)				
	(All taxat	ne, operated for er	itile year)	
Employment Size (Range of Employees)	Number of Firms	Percentage of Total Firms	Average Revenue (1997 Dollars)	Average Revenue (2002 Dollars)
0-5	889	37.9%	\$288,233	\$315,111
5-9	527	22.5%	\$687,846	\$751,988
10-19	383	16.3%	\$1,348,120	\$1,473,833
20-49	303	12.9%	\$2,746,957	\$3,003,112
50-99	110	4.7%	\$6,070,464	\$6,636,537
100-249	70	3.0%	\$13,349,700	\$14,594,565
250-499	42	1.8%	\$30,681,952	\$33,543,058
500-999	12	0.5%	*	*
1,000+	7	0.3%	*	*
Total	2343	100.0%	\$4,374,344	\$4,782,254

<sup>1997</sup> data from US Census Bureau.

NAIC 622110: General Medical and Surgical Hospitals (Averages of taxable and nontaxable, operated for entire year)				
Employment (Range of Employees)	Number of Firms	Percentage of Total Firms	Average Revenue (1997 Dollars)	Average Revenue (2002 Dollars)
0-5	0	0.0%	\$0	\$0
5-9	0	0.0%	\$0	\$0
10-19	4	0.1%	\$1,164,000	\$1,272,544
20-49	60	1.6%	\$2,256,000	\$2,466,373
50-99	351	9.6%	\$3,777,370	\$4,129,612
100-249	886	24.1%	\$9,054,462	\$9,898,794
250-499	661	18.0%	\$23,154,676	\$25,313,860
500-999	630	17.1%	\$51,424,079	\$56,219,398
1,000+	1082	29.5%	\$272,749,909	\$298,183,960
Total	3674	100.0%	\$95,891,655	\$104,833,594

<sup>1997</sup> data from US Census Bureau.

<sup>&</sup>quot;Average Value of Shipments" calculated by dividing Total Value of Shipments by the Number of Establishments.
Figures updated to 2002 dollars using GDP deflators from U.S. Department of Commerce: Bureau of Economic Analysis
\* Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

<sup>&</sup>quot;Average Value of Shipments" calculated by dividing Total Value of Shipments by the Number of Establishments.
Figures updated to 2002 dollars using GDP deflators from U.S. Department of Commerce: Bureau of Economic Analysis
\* Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

NAIC 611310: Colleges and Universities		
Revenue Range	Number of Schools	
\$0 - \$6 million	399	
\$6 million - \$10 million	180	
\$10 million - \$15 million	184	
\$15 million - \$20 million	152	
\$20 million - \$40 million	386	
\$40 million - \$60 million	192	
\$60 million - \$100 million	190	
\$100 million - \$200 million	131	
\$200 million - \$500 million	110	
\$500 million - \$1 billion	53	
\$1 billion - \$1.5 billion	12	
\$1.5 billion - \$2 billion	5	
\$2 billion +	2	
Total	1996	

1996 data from the National Center for Educational Statistics.
Revenue ranges have not been adjusted for subsequent inflation.
Data cover colleges and universities offering bachelors, masters, and doctoral degrees.